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single molecule sequencing

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US Pat. 4962037 - Filed Oct 7, 1987 - United States of America

A method for base **sequencing** of DNA or RNA fragments, comprising the steps of:... As noted by Shera, supra, data handling in the **single molecule** detection ...**Single molecule** identification using selected fluorescence characteristics

US Pat. 6049380 - Filed Oct 9, 1998 - Regents of the University of California

An immediate application is to **single molecule** DNA **sequencing**. **Sequencing**

multiple identical DNA strands individually and combining the results to form a

...

Method for determining nucleic acids base sequence and apparatus therefor

US Pat. 6136543 - Filed Jul 30, 1999 - Hitachi, Ltd.

The sample DNA 7 is introduced into the buffer solution in the cell, and the

nonmagnetic bead 5 attached to the **single** DNA **molecule** is captured in the field

...

Single molecule detection by in situ hybridization

US Pat. 5866331 - Filed Oct 20, 1995 - University of Massachusetts

SINGLE MOLECULE DETECTION BY IN SITU HYBRIDIZATION STATEMENT AS TO FEDERALLY
SPONSORED RESEARCH Work on this invention was supported, in part, ...Methods and products for analyzing polymers

US Pat. 6355420 - Filed Aug 13, 1998 - US Genomics

30 Report on the **sequencing** by hybridization workshop. Genomics, 13:1378-1383.24. Castro, A. and Shera, EB 1995. **Single-molecule** electrophoresis. Anal. ...Unimolecular segment amplification and **sequencing**

US Pat. 6143495 - Filed Nov 21, 1996 - Yale University

Primer Extension **Sequencing** Following amplification, the nucleotide sequence ...The interrogation primer can be a pre-formed **single molecule** or it can be ...Applications of fluorescent N-nucleosides and fluorescent structural analogs ...

US Pat. 5763167 - Filed Mar 21, 1994 - Chromagen

A hybridization complex consisting of a polynucleotide **molecule** ... order suchthat (a) a **single molecule** of said isolated polynucleotide **molecule** will not ...DNA **sequencing** by mass spectrometry via exonuclease degradation

US Pat. 5622824 - Filed Feb 10, 1995 - Sequenom, Inc.

The application of mass spec- trometry for DNA **sequencing** has been investigated... A **single molecule** of a DNA or RNA fragment is suspended in a moving flow ...Unimolecular segment amplification and **sequencing**

US Pat. 6329150 - Filed Jun 23, 2000 - Yale University

Primer Extension **Seauencing** Following amplification, the nucleotide sequence ...